

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS PO Box 1430 Alexasdra, Virginia 22313-1450 www.nepto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/559,819	06/02/2006	Pierre Jurdic	032475-040	9643
21839 BUCHANAN	7590 06/04/200 INGERSOLL & ROO	EXAM	EXAMINER	
POST OFFICE BOX 1404			NGUYEN, QUANG	
ALEXANDRI	A, VA 22313-1404	ART UNIT	PAPER NUMBER	
		1633		
			NOTIFICATION DATE	DELIVERY MODE
			06/04/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail $\,$ address(es):

ADIPFDD@bipc.com

Office Action Summary

Application No.	Applicant(s)	
10/559,819	JURDIC ET AL.	
Examiner	Art Unit	
QUANG NGUYEN, Ph.D.	1633	

QUANG NGUYEN, Ph.D.	1633	
pears on the cover sheet with the	correspondence ad	ddress
ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS fron , cause the application to become ABANDON	N. mely filed in the mailing date of this of ED (35 U.S.C. § 133).	,
_		
action is non-final.		
nce except for formal matters, pr	osecution as to the	e merits is
Ex parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
application.		
wn from consideration.		
ion and/or election requirement.		
r.		
epted or b) ☐ objected to by the	Examiner.	
drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).	
	•	
aminer. Note the attached Office	e Action or form P	TO-152.
priority under 35 U.S.C. § 119(a	a)-(d) or (f).	
a have been received		
	tion No	
		Stane
-	co in this reational	olage
	ed.	
,		
	To serve on the cover sheet with the ST IS SET TO EXPIRE 1 MONTH ATE OF THIS COMMUNICATION (Sign). In or event, however, may a reply be it will apply send the communication, even if tendy file action is non-final. The except for formal matters, provide a send send send send send send send send	action is non-final. nce except for formal matters, prosecution as to the ix parte Quayle, 1935 C.D. 11, 453 O.G. 213. application. on and/or election requirement. r. epted or b) objected to by the Examiner. drawing(s) be held in abeyance. See 37 CFR 1.85(a). in is required if the drawing(s) is objected to. See 37 C aminer. Note the attached Office Action or form Propriority under 35 U.S.C. § 119(a)-(d) or (f). s have been received. s have been received in Application No ity documents have been received in this National

0, _	Paper No(s)/Mail Date	_
	ent and Trademark Office	_
PTOL-	326 (Rev. 08-06)	

Page 2

Application/Control Number: 10/559,819

Art Unit: 1633

DETAILED ACTION

Claims 1-14 and 16-17 are pending in the present application, and they are subjected to the following restrictions.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claims 1-6 and 17, drawn to a bone system model comprising a mineralized matrix, osteoblasts and osteoclasts; and a test for the toxicity of a chemical compound using the same bone system model.

Group II, claims 7-9, drawn to a method of selecting a matrix for reconstituting a bone system model and artificial matrices selected from the same method.

Group III, claims 10 and 16, drawn to a bone system model that is cancerous and a test for tumor cell aggressiveness using the same.

Group IV, claim 11, drawn to a bone system model affected by osteoporosis.

Group V, claim 12, drawn to a bone system model affected by osteomalacia.

Group VI, claim 13, drawn to a bone system model affected by rheumatoid arthritis.

Group VII, claim 14, drawn to a bone system model affected by osteomyelitis.

The currently claimed subject matter (Inventions of Groups I-VII) lacks unity of invention according to Rule 13.1 PCT for the following reasons.

Application/Control Number: 10/559,819

Art Unit: 1633

The bone system models in Groups I and III-VII differ one from the others because they have different characteristics, properties as well as different components one from the others. For example, the bone system models In Groups III-VII are those affected by cancerous cells, osteoporosis, osteomalacia, rheumatoid arthritis and osteomyelitis, respectively; and each of these bone system models is different from the bone system model of Group I which does not possess any of the characteristics possessed by bone system models in Groups III-VII. Additionally, the method of selecting a matrix for reconstituting a bone system model in Group II is not required for the practice of anyone of the bone system models in Groups I and III-VII. For example, a calvaria explant under certain cultured conditions comprises osteoblasts and osteoclasts deposited onto a mineralized matrix in the form of a layer and/or nodules.

Because the currently claimed subject matter lacks unity according to Rule 13.1 PCT for the reasons set forth above, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang Nguyen, Ph.D., whose telephone number is (571) 272-0776.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's SPE, Joseph T. Woitach, Ph.D., may be reached at (571) 272-0739.

To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 1633: Central Fax No. (571) 273-8300.

Application/Control Number: 10/559,819 Page 4

Art Unit: 1633

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

/QUANG NGUYEN, Ph.D./ Primary Examiner, Art Unit 1633